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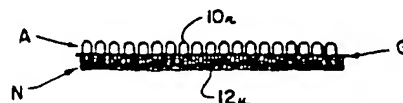
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01.07.92 Bulletin 92/27(71) Applicant: GUILFORD MILLS, INC.  
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(54) Textile fabric with opposed absorbent and non-absorbent layers and method of fabricating same.

(57) An integrally fabricated textile fabric has a relatively thick, dense liquid retaining absorbent pile layer of hydrophilic yarns and a non-absorbent napped layer of hydrophobic yarns at opposite faces of the fabric integrated with an intermediate ground yarn structure. The napped hydrophobic yarn layer serves to wick liquid to the absorbent hydrophilic yarn layer while resisting return flow leakage. The fabric is preferably fabricated on a warp knitting machine wherein a set of hydrophilic yarns are warp knitted by the bottom machine guide bar in overfed needle loops at the technical face of the fabric, a set of hydrophobic yarns are warp knitted on the top machine guide bar in needle loops and extended nappable underlaps at the technical back of the fabric, and two sets of ground yarns are warp knitted by a respective pair of middle guide bars intermediate the fabric faces.

FIG. 2





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# EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 90119126.2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
X	<u>JP - A - 60-155 760</u> (TOYO KOGYO) * Totality * --	1	D 04 B 21/04 A 61 F 13/15
A	<u>US - A - 4 638 648</u> (GAJJAR) * Column 2, lines 29-55 * --	1, 3, 6	
A	<u>US - A - 3 791 178</u> (MEYER) * Claim 1 * ----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 5)
			D 04 B 21/00 A 61 F 13/00 D 04 B 23/00
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
VIENNA		05-05-1992	HUBER
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	